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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/696,804	10/29/2003	John P. Pelmulder	2102402-914911	1295

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EXAMINER

KOCZO JR, MICHAEL

ART UNIT PAPER NUMBER

3746

DATE MAILED: 10/05/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/696,804

Applicant(s)

PELMULDER ET AL.

Examiner

Michael Koczo, Jr.

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 19 August 2005.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-6,9-14 and 17-24 is/are pending in the application.
- 4a) Of the above claim(s) 4-6 is/are withdrawn from consideration.
- 5) ☒ Claim(s) 21-23 is/are allowed.
- 6) ☒ Claim(s) 1-3,9-14,17-20 and 24 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 19 August 2005 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All   b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

**DETAILED ACTION**

Applicant's arguments with respect to the claims have been considered but are moot in view of the new ground(s) of rejection.

***Claim Rejections - 35 USC § 103***

Claims 1, 2, 3 and 10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Barracrough in view of Muller. Barracrough discloses a pump having a compression surface 3, a compression tube 4, and a compression means (roller 11). Figure 1 shows the compression means in its rest position wherein the tube is free of any occlusions due to depression 22. However, Barracrough does not disclose a tube having a cylindrically shaped flange for securing the tube to the compression surface. Muller discloses a pump having a compression surface 12 and a tube 5 having a cylindrical flange for securing the tube to the compression surface. The flange retains the tube in position and prevents the tube from coming out of alignment with the path of the roller. In view of this teaching, it would have been obvious to provide the tube 4 of Barracrough with a cylindrical flange for securing the tube to the compression surface. Regarding claim 10, any position wherein a roller compresses the compression tube is readable as a second rest position.

Claims 1, 2, 3, 9 to 12, 14 and 24 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kayahara et al in view of Muller. Kayahara et al. disclose a pump assembly having a pump housing 2 defining a cavity, a roller 4 in the cavity, a motor 8 for moving the roller, and a cassette assembly 3 removably disposed in the cavity. The cassette assembly has a cassette housing with a compression surface 24, and a tube 17 abutting the compression surface.

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However, Kayahara et al. do not disclose that the compression tube is secured to the compression surface via a cylindrical flange. Muller discloses a pump having a compression surface 12 and a tube 5 having a cylindrical flange for securing the tube to the compression surface. The flange retains the tube in position and prevents the tube from coming out of alignment with the path of the roller. In view of this teaching, it would have been obvious to provide the tube 17 of Kayahara et al with a cylindrical flange for securing the tube to the compression surface. Regarding claim 24, any position wherein a roller compresses the compression tube is readable as a second rest position.

Claim 13 is rejected under 35 U.S.C. 103(a) as being unpatentable over Kayahara et al in view of Muller, as applied to claim 12 above, and further in view of Seyler. Seyler discloses a pump with spring loaded arms which prevent an over-pressure condition from occurring which could burst the tube. In view of these teachings, it would have been obvious to spring load the arm 6 Kayahara et al.

### ***Claim Rejections - 35 USC § 102***

Claims 17 to 20 are rejected under 35 U.S.C. 102(b) as being anticipated by Hyman et al. Hyman et al. disclose a pump assembly having a pump housing 2 defining a cavity, a roller 48 in the cavity, a motor for moving the roller, and a cassette assembly 12 removably disposed in the cavity. The cassette assembly has a cassette housing with a compression surface 46, and a tube 40 for being compressed against the compression surface. The pump includes an upper housing portion 30 which is hingedly attached to a lower housing portion 10. The pump includes a cassette sensor 320 for sensing that the cassette assembly is disposed in the cavity, and a sensor

330 for sensing that the upper pump housing portion is positioned in a closed position relative to the lower pump housing portion.

***Allowable Subject Matter***

Claims 21 to 23 are allowed.

***Conclusion***

Claims 4 to 6 stand withdrawn from further consideration as being drawn to species non-elected without traverse.

It is noted that the prior Office action indicated claims 17 to 19 as being rejected and being allowable if rewritten in independent form. This was done in error. However, it would appear clear from the reading of the rejection of these claims commencing on page 6, bottom paragraph, that they were intended to be rejected, and not allowable. Any inconvenience that this oversight may have caused applicant is sincerely regretted.

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period

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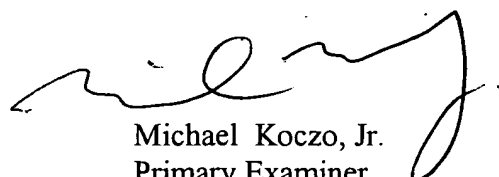
will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry relating to patent applications in general should be directed to the Patent Assistance Center at 1-800-786-9199.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael Kocz, Jr. whose telephone number is 571-272-4830. The examiner can normally be reached on M-Th; 7:30-4:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Timothy S. Thorpe can be reached at 571-272-4444. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Michael Kocz, Jr.  
Primary Examiner  
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